

SEQUENCE LISTING

- <120> VIRUS-LIKE PARTICLES DEVOID OF HPV 16 TYPE-SPECIFIC ANTIBODY EPITOPES AS CARRIERS OF PEPTIDES FOR INTRODUCTION INTO CELLS
- <130> 003301-106
- <140> 10/759,125
- <141> 2004-01-20
- <150> 10/048,016
- <151> 2002-01-28
- <150> PCT/SE00/01808
- <151> 2000-09-19
- <150> SE 9903534-7
- <151> 1999-09-30
- <160> 1
- <170> PatentIn Ver. 3.3
- <210> 1
- <211> 485
- <212> PRT
- <213> Human papillomavirus
- <400> 1
- Met Ser Leu Trp Leu Pro Ser Glu Ala Thr Val Tyr Leu Pro Pro Val 1 5 10 15
- Pro Val Ser Lys Val Val Ser Thr Asp Glu Tyr Val Ala Arg Thr Asn 20 25 30
- Ile Tyr Tyr His Ala Gly Thr Ser Arg Leu Leu Ala Val Gly His Pro
 35 40 45
- Tyr Phe Pro Ile Lys Lys Pro Asn Asn Lys Ile Leu Val Pro Lys
 50 55 60
- Val Ser Gly Leu Gln Tyr Arg Val Phe Arg Ile His Leu Pro Asp Pro
 65 70 75 80
- Asn Lys Phe Gly Phe Pro Asp Thr Ser Phe Tyr Asn Pro Asp Thr Gln

- Arg Leu Val Trp Ala Cys Val Gly Val Glu Val Gly Arg Gly Gln Pro 100 105 110
- Leu Gly Val Gly Ile Ser Gly His Pro Leu Leu Asn Lys Leu Asp Asp 115 120 125
- Thr Glu Asn Ala Ser Ala Tyr Ala Ala Asn Ala Gly Val Asp Asn Arg 130 135 140
- Glu Cys Ile Ser Met Asp Tyr Lys Gln Thr Gln Leu Cys Leu Ile Gly 145 150 155 160
- Cys Lys Pro Pro Ile Gly Glu His Trp Gly Lys Gly Ser Pro Cys Thr 165 170 175
- Asn Val Ala Val Asn Pro Gly Asp Cys Pro Pro Leu Glu Leu Ile Asn 180 185 190
- Thr Val Ile Gln Asp Gly Asp Met Val Asp Thr Gly Phe Gly Ala Met 195 200 . 205
- Asp Phe Thr Thr Leu Gln Ala Asn Lys Ser Glu Val Pro Leu Asp Ile 210 215 220
- Cys Thr Ser Ile Cys Lys Tyr Pro Asp Tyr Ile Lys Met Val Ser Glu 225 230 235 240
- Pro Tyr Gly Asp Ser Leu Phe Phe Tyr Leu Arg Arg Glu Gln Met Phe 245 250 255
- Val Arg His Leu Phe Asn Arg Ala Gly Ala Val Gly Glu Asn Val Pro 260 265 270
- Asp Asp Leu Tyr Ile Lys Gly Ser Gly Ser Thr Ala Asn Leu Ala Ser 275 280 285
- Ser Asn Tyr Phe Pro Thr Pro Ser Gly Ser Met Val Thr Ser Asp Ala 290 295 300
- Gln Ile Phe Asn Lys Pro Tyr Trp Leu Gln Arg Ala Gln Gly His Asn 305 310 315 320
- Asn Gly Ile Cys Trp Gly Asn Gln Leu Phe Val Thr Val Val Asp Thr 325 330 335
- Thr Arg Ser Thr Asn Met Ser Leu Cys Ala Ala Ile Ser Thr Ser Glu 340 345 350
- Thr Thr Tyr Lys Asn Thr Asn Phe Lys Glu Tyr Leu Arg His Gly Glu 355 360 365
- Glu Tyr Asp Leu Gln Phe Ile Phe Gln Leu Cys Lys Ile Thr Leu Thr 370 375 380 .

Ala Asp Val Met Thr Tyr Ile His Ser Met Asn Ser Thr Ile Leu Glu 385 390 395 400

Asp Trp Asn Phe Gly Leu Gln Pro Pro Gly Gly Thr Leu Glu Asp 405 410 415

Thr Tyr Arg Phe Val Thr Ser Gln Ala Ile Ala Cys Gln Lys His Thr 420 425 430

Pro Pro Ala Pro Lys Glu Asp Pro Leu Lys Lys Tyr Thr Phe Trp Glu 435 440 445

Val Asn Leu Lys Glu Lys Phe Ser Ala Asp Leu Asp Gln Phe Pro Leu 450 455 460

Gly Arg Lys Phe Leu Leu Gln Ala Gly Leu Lys Ala Lys Pro Lys Phe 465 470 475 480

Thr Leu Gly Lys Arg